

County government

Contra Costa co.

#82913226

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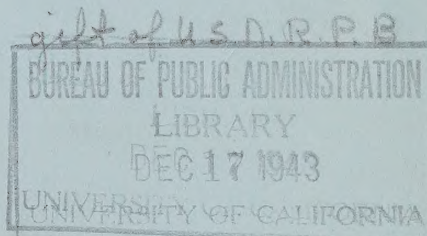
TRANSPORTATION SURVEY OF CONTRA COSTA COUNTY WAR WORKERS

HE Contra Costa co.

HD6053:39 " " "

HE5610:W " " "

JK401: Transportation



Compiled by the
CONTRA COSTA COUNTY DEVELOPMENT ASSN.
628 Ferry Street, Martinez

CONTRA COSTA COUNTY DEVELOPMENT ASSOCIATION
628 Ferry Street
Martinez, California

June 1, 1942

JS411
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This report is a summary of a transportation survey of war workers in Contra Costa County industries.

In order that you may understand our transportation problem, this report contains the number of workers employed in our industries from each city and town in Contra Costa County, as well as those who live in other counties and commute to their work in our County. Upon reading the report you will find that many of our war workers are traveling great distances to their work.

When the transportation survey was made the employees estimated the life of their cars based on the condition of their tires. This is clearly set out in the report. You will note that 75% of the commuting cars will be off the highways within twelve months.

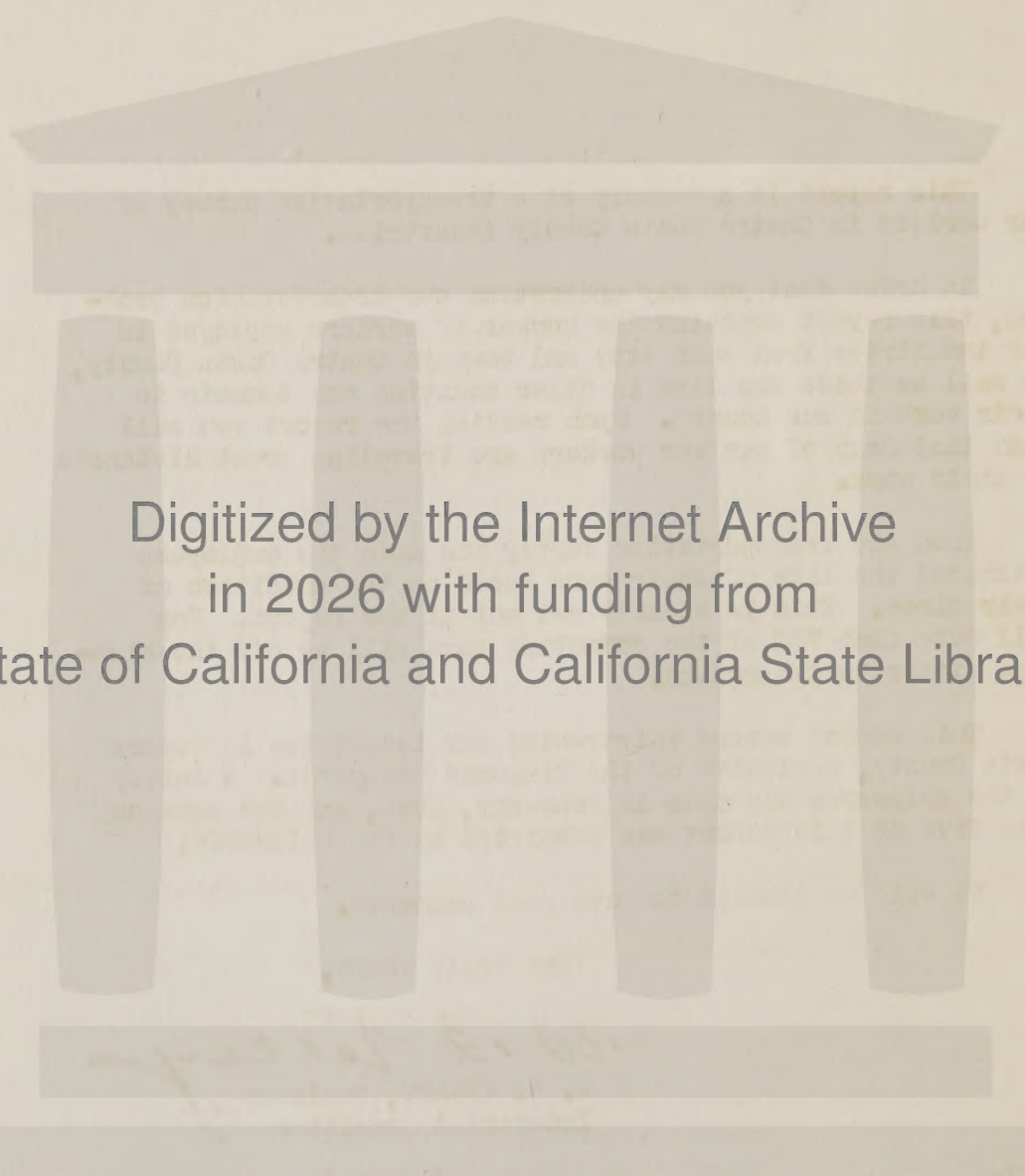
This report covers thirty-nine war industries in Contra Costa County, exclusive of the Richmond Shipyards. A survey of the shipyards was made in February, 1942, and the data on page five of this report was submitted by the shipyards.

We will be pleased to have your comments.

Very truly yours,

W. B. Kelley
W. B. KELLEY, Chairman
Industrial Committee

WBK/p



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S U M M A R Y

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		17,649
Local Street Car or Bus	468	
Own Auto	8,144	
Others Auto	5,403	
Interurban Bus	155	
Train	33	
Walk or Bicycle	<u>3,446</u>	17,649

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	8,144
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AGE DISTRIBUTION

2 years or less.....	1,606	
3 to 5 years inc.....	2,409	
6 to 10 years inc.	2,901	
11 years and over	<u>1,228</u>	8,144

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	14,868
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<u>PERSON PER CAR</u>	1.8
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<u>CAPACITY THAT COULD BE CARRIED</u>	35,813
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	8,144
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	946	
4 to 6 months inc.....	1,982	
7 to 12 months inc.....	3,250	
13 to 18 months inc.....	907	
19 to 24 months inc.....	776	
25 to 36 months inc.....	216	
37 to 48 months inc.....	<u>67</u>	8,144

DISTRIBUTION OF EMPLOYEES(Exclusive of Richmond Shipyards)

<u>COUNTY</u>	<u>STREET CAR OR BUS</u>	<u>OWN AUTO</u>	<u>OTHERS AUTO</u>	<u>INTERURBAN BUS</u>	<u>TRAIN</u>	<u>WALK OR BICYCLE</u>
Alameda	164	1220	1185	51	14	2
Contra Costa	277	6808	4079	57	17	3437
Marin	0	11	0	0	0	1
Napa	0	3	1	0	0	0
Sacramento	0	0	1	0	0	0
San Francisco	24	68	108	33	1	0
San Joaquin	0	6	11	0	0	0
San Mateo	0	2	0	1	1	0
Santa Clara	0	1	0	0	0	0
Solano	3	20	6	3	0	6
Sonoma	0	2	1	0	0	0
Yolo	<u>0</u>	<u>3</u>	<u>11</u>	<u>0</u>	<u>0</u>	<u>0</u>
	468	8144	5403	155	33	3446

TOTAL NUMBER OF EMPLOYEES..... 17,649

AUTOS USED TO TRANSPORT WORKERS..... 8,144

LIFE OF CAR BASED ON TIRE CONDITION

<u>COUNTY</u>	<u>3 MOS OR LESS</u>	<u>4 TO 6 Mo. Inc.</u>	<u>7 TO 12 Mo. Inc.</u>	<u>13 TO 18 Mo. Inc.</u>	<u>19 TO 24 Mo. Inc.</u>	<u>25 TO 36 Mo. Inc.</u>	<u>37 TO 48 Mo. Inc.</u>
Alameda	158	299	490	136	109	22	6
Contra Costa	763	1648	2716	764	662	194	61
Marin	4	3	2	1	1	0	0
Napa	0	1	2	0	0	0	0
Sacramento	0	0	0	0	0	0	0
San Francisco	14	22	26	2	4	0	0
San Joaquin	2	2	2	0	0	0	0
San Mateo	0	1	1	0	0	0	0
Santa Clara	0	0	0	1	0	0	0
Solano	4	2	11	3	0	0	0
Sonoma	0	2	0	0	0	0	0
Yolo	<u>1</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	946	1982	3250	907	776	216	67

NUMBER OF WAR WORKERS EMPLOYED IN CONTRA COSTA COUNTY INDUSTRIES

ACCORDING TO CITIES

ANTIOCH

Residing in Antioch.....	1525
Living in Antioch and commuting to other cities.....	<u>978</u>
Workers residing and working in Antioch.....	547
Commuting into Antioch from other cities.....	<u>103</u>
Total number of war workers employed in Antioch.....	650

AVON

Residing in Avon.....	59
Living in Avon and commuting to other cities.....	<u>--</u>
Workers residing and working in Avon.....	59
Commuting into Avon from other cities.....	<u>925</u>
Total number of war workers employed in Avon.....	984

COWELL

Residing in Cowell.....	63
Living in Cowell and commuting to other cities.....	<u>5</u>
Workers residing and working in Cowell.....	58
Commuting into Cowell from other cities.....	<u>91</u>
Total number of war workers employed in Cowell.....	149

CROCKETT

Residing in Crockett.....	1108
Living in Crockett and commuting to other cities....	<u>155</u>
Workers residing and working in Crockett.....	953
Commuting into Crockett from other cities.....	<u>444</u>
Total number of war workers employed in Crockett.....	1397

HERCULES

Residing in Hercules.....	100
Living in Hercules and commuting to other cities....	<u>9</u>
Workers residing and working in Hercules.....	91
Commuting into Hercules from other cities.....	<u>230</u>
Total number of war workers employed in Hercules.....	321

MARTINEZ

Residing in Martinez.....	1517
Living in Martinez and commuting to other cities...	<u>623</u>
Workers residing and working in Martinez.....	894
Commuting into Martinez from other cities.....	<u>327</u>
Total number of war workers employed in Martinez.....	1221

OLEUM

Residing in Oleum.....	21
Living in Oleum and commuting to other cities.....	<u>3</u>
Workers residing and working in Oleum.....	18
Commuting into Oleum from other cities.....	<u>839</u>
Total number of war workers employed in Oleum.....	857

PITTSBURG

Residing in Pittsburg.....	2717
Living in Pittsburg and commuting to other cities..	<u>57</u>
Workers residing and working in Pittsburg.....	2660
Commuting into Pittsburg from other cities.....	<u>2103</u>
Total number of war workers employed in Pittsburg.....	4763

* RICHMOND

Residing in Richmond.....	4868
Living in Richmond and commuting to other cities...	<u>576</u>
Workers residing and working in Richmond.....	4292
Commuting into Richmond from other cities.....	<u>2436</u>
Total number of war workers employed in Richmond.....	6728

SELBY

Residing in Selby.....	4
Living in Selby and commuting to other cities.....	<u>3</u>
Workers residing and working in Selby.....	1
Commuting into Selby from other cities.....	<u>578</u>
Total number of war workers employed in Selby.....	579

*The above figures include residents living in Richmond and El Cerrito.
All industries referred to are in Richmond.

RICHMOND SHIPYARDS EMPLOYMENT

The Richmond Shipyards made a transportation survey in February, 1942, prior to the survey made by the Contra Costa County Development Association and the California Railroad Commission.

The following figures were submitted by O. D. Murdock and B. B. Payne:

Richmond Shipyard Number One.....	9,770
Richmond Shipyard Number Two.....	10,008
Kaiser Company, Inc.....	<u>377</u>
<u>TOTAL.....</u>	20,155

DISTRIBUTION OF EMPLOYEES

Oakland.....	7,822
Richmond.....	4,138
San Francisco.....	3,345
Berkeley.....	2,422
Alameda.....	514
El Cerrito.....	429
Albany.....	293
Hayward.....	266
San Leandro.....	200
Martinez.....	200
Miscellaneous.....	<u>526</u>

TOTAL..... 20,155

NUMBER OF AUTOMOBILES IN USE..... 5,451

CONDITION OF TIRES

Good.....	31.51%	(15,000 miles to run)
Fair.....	54.48%	(7,500 miles to run)
Poor.....	14.01%	(1,500 miles to run)

AVERAGE PASSENGERS PER CAR 2.80

Automobiles in use	5,451
Average passengers per car	2.8
Total passengers now	15,263

ALAMEDA COUNTY

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

TOTAL WORKERS..... 2636

Local Street Car or Bus	164	
Own Auto	1220	
Others Auto	1185	
Interurban Bus	51	
Train	14	
Walk or Bicycle	2	2636

AUTOS NOW CARRYING WORKERS

NUMBER OF CARS..... 1220

AGE DISTRIBUTION

2 years or less	290	
3 to 5 years inc.	390	
6 to 10 years inc.	410	
11 years and over	130	1220

WORKERS CARRIED AS REPORTED BY DRIVER..... 2887

CAPACITY THAT COULD BE CARRIED..... 5488

ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

NUMBER OF CARS..... 1220

LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	158	
4 to 6 months inc.	299	
7 to 12 months inc.	490	
13 to 18 months inc.	136	
19 to 24 months inc.	109	
25 to 36 months inc.	22	
37 to 48 months inc.	6	1220

Centerville	Union Oil Co	1	Piedmont	Amer Radiator	1
Dublin	Wheeler Reynold	1	"	Hercules Powder	1
Mt. House	Cowell Portland	1	"	Union Oil Co	1
Mt. Eden	Standard Oil	1	"	C. & H. Ref.	2
Pleasanton	Shell Chemical	2	"	Shell Chem Co	1
"	Columbia Steel	2	Alameda	Rheem Mfg Co	2
Hayward	Standard Oil	5	"	Standard Oil	18
"	Ford Motor	11	"	Ford Motor	10
"	C. & H. Ref.	1	"	Pullman Co	1
"	Shell Chemical	1	"	Stauffer Chemical	1
"	Santa Fe	1	"	Hercules Powder	1
Piedmont	Rheem Mfg Co	2	"	Union Oil	5
"	Standard Oil	3	"	Amer Smelt & Ref.	1
"	Ford Motor	2	"	Shell Chemical	2
"	Stauffer Chem	1	"	General Chemical	1

ALAMEDA COUNTY CONTINUED

PAGE 2

Alameda	Shell Chemical	1	Albany & Berkeley	Certain-teed	29
"	Fulton Shipyard	2	"	Rheem Mfg	25
"	Calif Spray	1	"	Amer Radiat.	37
"	Santa Fe	1	"	Enter. Fd.	10
"	Southern Pacific	4	"	Calif Steel	11
San Leandro	Rheem Mfg Co	3	"	Stand Oil	636
" "	Enterprise Found	1	"	Fil. & Perr.	4
" "	Calif Steel	1	"	Ford Motor	102
" "	Standard Oil	16	"	Pullman Co	115
" "	Ford Motor	4	"	Stauffer Ch.	7
" "	Pullman Co	1	"	Whl. Rey.	2
" "	Chemurgic Corp	1	"	Chem Corp	12
" "	Hercules Powder	1	"	Amer Rad.	11
" "	Union Oil	1	"	Atlas Powder	17
" "	Columbia Steel	2	"	Hercules "	18
" "	Calif Spray	1	"	Union Oil	135
" "	Santa Fe	1	"	Amer. Smolt	44
" "	Calif Cap	2	"	C. & H.	36
Oakland	Certain-teed	6	"	Shell Oil	9
"	Rheem Mfg Co	27	"	Shell Chem	4
"	Amer Radiator	31	"	Assoc. Oil	10
"	Enter. Foundry	8	"	Gen Chem	1
"	Calif Steel	9	"	Shell Chem	8
"	Stand. Oil	350	"	Columbia St.	28
"	Fil. & Perr. Can	3	"	Grt W. Chem	1
"	Ford Motor	102	"	Cow. Port. C.	1
"	Pullman Co	100	"	Pioneer Rubber	1
"	Stauffer Chem	13	"	Fulton Ship	2
"	Whl. Rey.	2	"	Calif Spray	29
"	Chemurgic Corp	12	"	Phil Ref.	4
"	Amer. Radiator	12	"	Santa Fe	45
"	Atlas Pwd	1	"	Calif Cap	21
"	Hercules Pwd	16	"	So. Pac.	39
"	Union Oil	85			
"	Amer Smelt	13	<u>TOTAL</u>		<u>2636</u>
"	C. & H. Ref.	35			
"	Shell Chem.	19			
"	Assoc. Oil	21			
"	Gen Chemical	3			
"	Shell Chem	20			
"	Redwood Mfg	2			
"	Columbia Steel	33			
"	Grt Wst Chem	2			
"	Cowell Portland	1			
"	Calif Spray	19			
"	Phil Ref. Corp	1			
"	Santa Fe	36			
"	Calif Cap	14			
"	So. Pac. Co.	59			

MARIN COUNTY

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

TOTAL WORKERS..... 12

Local Street Car or Bus	0	
Own Auto	11	
Others Auto	0	
Interurban Bus	0	
Train	0	
Walk or Bicycle	<u>1</u>	12

AUTOS NOW CARRYING WORKERS

NUMBER OF CARS..... 11

AGE DISTRIBUTION

2 years or less	3	
3 to 5 years inc.	2	
6 to 10 years inc.	2	
11 years and over	<u>4</u>	11

WORKERS CARRIED AS REPORTED BY DRIVER..... 19

CAPACITY THAT COULD BE CARRIED 40

ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

NUMBER OF CARS..... 11

LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less	4	
4 to 6 months inc.	3	
7 to 12 months inc.	2	
13 to 18 months inc.	1	
19 to 24 months inc.	1	
25 to 36 months inc.	0	
37 to 48 months inc.	<u>0</u>	11

Mill Valley	Standard Oil Company	4
Alto	Standard Oil Company	1
San Anselmo	Standard Oil Company	1
San Anselmo	Philippine Refining Corp	1
San Rafael	Standard Oil Company	1
San Rafael	Ford Motor Company	3
Novato	Standard Oil Company	<u>1</u>

TOTAL WORKERS..... 12

NAPA COUNTY

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		4
Local Street Car or Bus	0	
Own Auto	3	
Others Auto	1	
Interurban Bus	0	
Train	0	
Walk or Bicycle	<u>0</u>	4

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	3
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AGE DISTRIBUTION

2 years or less	2	
3 to 5 years inc.....	1	
6 to 10 years inc.	0	
11 years and over	<u>0</u>	3

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	5
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<u>CAPACITY THAT COULD BE CARRIED</u>	15
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	3
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less	0	
4 to 6 months inc.	1	
7 to 12 months inc.	2	
13 to 18 months inc.	0	
19 to 24 months inc.	0	
25 to 36 months inc.	0	
37 to 48 months inc.	<u>0</u>	3

Napa	Union Oil Company	2
Napa	Columbia Steel Company	1
St. Helena	C. & H. Ref.	<u>1</u>
<u>TOTAL</u>		4

SACRAMENTO COUNTY

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		1
Local Street Car or Bus.....	0	
Own Auto	0	
Others Auto	1	
Interurban Bus	0	
Train	0	
Walk or Bicycle	<u>0</u>	1

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	0
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AGE DISTRIBUTION

2 years or less	0	
3 to 5 years inc.	0	
6 to 10 years inc.	0	
11 years and over	<u>0</u>	0

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	0
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<u>CAPACITY THAT COULD BE CARRIED</u>	0
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	0
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less	0	
4 to 6 months inc.	0	
7 to 12 months inc.	0	
13 to 18 months inc.	0	
19 to 24 months inc.	0	
25 to 36 months inc.	0	
37 to 48 months inc.	<u>0</u>	0

SAN FRANCISCO COUNTY

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>	234
Local Street Car or Bus	24
Own Auto	68
Others Auto	108
Interurban Bus	33
Train	1
Walk or Bicycle	<u>0</u>
	234

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	68
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AGE DISTRIBUTION

2 years or less	17	
3 to 5 years inc.	19	
6 to 10 years inc.	28	
11 years and over	<u>4</u>	68

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	179
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<u>CAPACITY THAT COULD BE CARRIED</u>	299
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	68
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LIFE OF C.R. BASED ON TIRE CONDITION

3 mos or less	14	
4 to 6 months inc.	22	
7 to 12 months inc.	26	
13 to 18 months inc.	2	
19 to 24 months inc.	4	
25 to 36 months inc.	0	
37 to 48 months inc.	<u>0</u>	68

Certain-teed Prod.	2	C. & H. Ref.	3
American Radiator	1	Shell Chemical	1
Enterprise Foundry	8	Associated Oil	3
Calif Steel Products	32	Shell Chemical	2
Standard Oil Company	43	Columbia Steel	13
Filice & Perrilli	1	Cowell Portland Cem.	2
Ford Motor	73	Calif. Spray Chemical	3
Pullman Company	9	Santa Fe	12
Stauffer Chemical Co	2	Calif. Cap Co.	1
Wheeler Reynolds	3	Southern Pacific	<u>6</u>
Chemurgic Corp	3		233
Atlas Powder Company	1	<u>DAILY CITY</u>	
Hercules Powder Company	4		
Union Oil Company	3	Ford Motor	<u>1</u>
Amer Smelt. & Ref.	2		
		<u>TOTAL</u>	234

SAN JOAQUIN COUNTY

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		17
Local Street Car or Bus	0	
Own Auto	6	
Others Auto	11	
Interurban Bus	0	
Train	0	
Walk or Bicycle	<u>0</u>	17

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	6
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AGE DISTRIBUTION

2 years or less	3	
3 to 5 years inc.	1	
6 to 10 years inc.....	0	
11 years and over	<u>2</u>	6

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	16
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<u>CAPACITY THAT COULD BE CARRIED</u>	30
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	6
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less	2	
4 to 6 months inc.....	2	
7 to 12 months inc.	2	
13 to 18 months inc.....	0	
19 to 24 months inc.	0	
25 to 36 months inc.	0	
37 to 48 months inc.	<u>0</u>	6

Stockton	Stockton Firebrick Company	14
Stockton	Columbia Steel Company	2
Tracy	" " "	<u>1</u>
<u>TOTAL</u>		17

SAN MATEO COUNTY

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		4
Local Street Car or Bus	0	
Own Auto	2	
Others Auto	0	
Interurban Bus	1	
Train	1	
Walk or Bicycle.....	<u>0</u>	4

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	2
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AGE DISTRIBUTION

2 years or less	0	
3 to 5 years inc.	1	
6 to 10 years inc.....	1	
11 years and over	<u>0</u>	2

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	2
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<u>CAPACITY THAT COULD BE CARRIED</u>	7
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	2
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less	0	
4 to 6 months inc.	1	
7 to 12 months inc.	1	
13 to 18 months inc.....	0	
19 to 24 months inc.	0	
25 to 36 months inc.	0	
37 to 48 months inc.	0	2

Bellmont	California Steel Products	1
Menlo Park	" " "	1
San Mateo	Standard Oil Company	1
" "	Ford Motor Company	<u>1</u>
<u>TOTAL</u>		4

SANTA CLARA COUNTY

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>	1
Local Street Car or Bus	0
Own Auto	1
Others Auto	0
Interurban Bus	0
Train	0
Walk or Bicycle	<u>0</u>
	1

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	1
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AGE DISTRIBUTION

2 years or less	0
3 to 5 years inc.	0
6 to 10 years inc.	0
11 years and over	<u>1</u>
	1

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	1
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<u>CAPACITY THAT COULD BE CARRIED</u>	2
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	1
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less	0
4 to 6 months inc.	0
7 to 12 months inc.	0
13 to 18 months inc.	1
19 to 24 months inc.	0
25 to 36 months inc.	0
37 to 48 months inc.	<u>0</u>
	1

Standard Oil 1

SOLANO COUNTY

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		38
Local Street Car or Bus	3	
Own Auto	20	
Others Auto	6	
Interurban Bus	3	
Train	0	
Walk or Bicycle	<u>6</u>	38

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	20
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AGE DISTRIBUTION

2 years or less	6	
3 to 5 years inc.	5	
6 to 10 years inc.	7	
11 years and over	<u>2</u>	20

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	35
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<u>CAPACITY THAT COULD BE CARRIED</u>	77
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	20
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less	4	
4 to 6 months inc.	2	
7 to 12 months inc.	11	
15 to 18 months inc.	3	
19 to 24 months inc.	0	
25 to 36 months inc.	0	
37 to 48 months inc.	<u>0</u>	20

Calif. Steel	Not Coded	1	Shell Oil	Vallejo	1
Ford Motor	" "	1	Shell Chemical	"	1
Standard Oil	Vallejo	1	Columbia Steel	"	1
Ford Motor	"	1	C. & H. Ref.	Fairfield	2
Pullman Co.	"	1	" " " "	Suisun	1
Hercules Powder	"	1	" " " "	Dixon	1
Union Oil	"	3	Shell Chemical	Benicia	9
Amer. Smelt Ref.	"	3	Fulton Ship.	Rio Vista	<u>2</u>
C. & H. Ref.	"	8			
			<u>TOTAL</u>		<u>38</u>

SONOMA COUNTY

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		3
Local Street Car or Bus.....	0	
Own Auto	2	
Others Auto	1	
Interurban Bus	0	
Train	0	
Walk or Bicycle	<u>0</u>	3

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	2
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AGE DISTRIBUTION

2 years or less	0	
3 to 5 years inc.....	0	
6 to 10 years inc.	2	
11 years and over	<u>0</u>	2

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	3
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<u>CAPACITY THAT COULD BE CARRIED</u>	11
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	2
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less	0	
4 to 6 months inc.....	2	
7 to 12 months inc.....	0	
13 to 18 months inc.....	0	
19 to 24 months inc.....	0	
25 to 36 months inc.	0	
37 to 48 months inc.	<u>0</u>	2

Petaluma	Standard Oil Company	2
"	Union Oil Company	<u>1</u>
<u>TOTAL</u>		3

YOLO COUNTY

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		14
Local Street Car or Bus.....	0	
Own Auto	3	
Others Auto	11	
Interurban Bus	0	
Train	0	
Walk or Bicycle	<u>0</u>	14

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	3
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AGE DISTRIBUTION

2 years or less.....	0	
3 to 5 years inc.....	3	
6 to 10 years inc.	0	
11 years and over	<u>0</u>	3

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	13
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<u>CAPACITY THAT COULD BE CARRIED</u>	16
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	3
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	1	
4 to 6 months inc.	2	
7 to 12 months inc.....	0	
13 to 18 months inc.	0	
19 to 24 months inc.	0	
25 to 36 months inc.	0	
37 to 48 months inc.	<u>0</u>	3

CONTRA COSTA COUNTY

ALAMO

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		13
Local Street Car or Bus.....	0	
Own Auto	9	
Others Auto	4	
Interurban Bus	0	
Train	0	
Walk or Bicycle	<u>0</u>	13

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	9
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AGE DISTRIBUTION

2 years or less	2	
3 to 5 years inc.....	1	
6 to 10 years inc.	5	
11 years and over	<u>1</u>	9

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	20
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<u>CAPACITY THAT COULD BE CARRIED</u>	36
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	9
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	2	
4 to 6 months inc.	2	
7 to 12 months inc.	5	
13 to 18 months inc.....	0	
19 to 24 months inc.....	0	
25 to 36 months inc.....	0	
37 to 48 months inc.....	<u>0</u>	9

Ford Motor	1
Pullman Company	1
American Smelt. Ref.	1
Shell Oil Co	1
Shell Chemical	6
Associated Oil	2
Stockton Firebrick	<u>1</u>

<u>TOTAL</u>	13
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CONTRA COSTA COUNTY

ANTIOCH

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>	1525
Local Street Car or Bus	2
Own Auto	826
Others Auto	428
Interurban Bus	2
Train	0
Walk or Bicycle	<u>267</u>
	1525

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	826
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AGE DISTRIBUTION

2 years or less.....	194	
3 to 5 years inc.....	242	
6 to 10 years inc.	278	
11 years and over	<u>112</u>	826

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	1395
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<u>CAPACITY THAT COULD BE CARRIED</u>	3652
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	826
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less	97	
4 to 6 months inc.	200	
7 to 12 months inc.	331	
13 to 18 months inc.	94	
19 to 24 months inc.	77	
25 to 36 months inc.	23	
37 to 48 months inc.	<u>4</u>	826

Grt Western Chem.	173	Pioneer Rubber	67
Amer Smelt & Ref.	1	Redwood Mfg	24
Shell Chemical	1	F. E. Booth	4
Associated Oil	1	Johns Manville	48
Cowell Portland Cement	3	Columbia Steel	617
Fibreboard Products	487	Fulton Shipyards	60
General Chemical	10	Santa Fe	<u>1</u>
Shell Chemical	20		
Stockton Fire-brick	8	<u>TOTAL</u>	1525

CONTRA COSTA COUNTY

AVON

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		59
Local Street Car or Bus	0	
Own Auto	10	
Others Auto.....	15	
Interurban Bus	0	
Train	0	
Walk or Bicycle	<u>34</u>	59

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	10
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AGE DISTRIBUTION

2 years or less	3	
3 to 5 years inc.	3	
6 to 10 years inc.....	3	
11 years and over.....	<u>1</u>	10

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	14
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<u>CAPACITY THAT COULD BE CARRIED</u>	47
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	10
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less	0	
4 to 6 months inc.	1	
7 to 12 months inc.....	4	
13 to 18 months inc.....	2	
19 to 24 months inc.....	3	
25 to 36 months inc.....	0	
37 to 48 months inc.	<u>0</u>	10

CONTRA COSTA COUNTY

BIXLER

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		3
Local Street Car or Bus	0	
Own Auto	1	
Others Auto	1	
Interurban Bus	0	
Train	0	
Walk or Bicycle	<u>1</u>	3

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>		1
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AGE DISTRIBUTION

2 years or less	0	
3 to 5 years inc.	0	
6 to 10 years inc.....	1	
11 years and over.....	<u>0</u>	1

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>		1
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<u>CAPACITY THAT COULD BE CARRIED</u>		5
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>		1
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	0	
4 to 6 months inc.	1	
7 to 12 months inc.	0	
13 to 18 months inc.....	0	
19 to 24 months inc.	0	
25 to 36 months inc.	0	
37 to 48 months inc.	<u>0</u>	1

General Chemical Company	1
Shell Chemical Company	<u>2</u>
<u>TOTAL</u>	3

CONTRA COSTA COUNTY

BRENTWOOD

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		182
Local Street Car or Bus.....	0	
Own Auto	112	
Others Auto	67	
Interurban Bus	3	
Train	0	
Walk or Bicycle	0	182

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	112
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AGE DISTRIBUTION

2 years or less	4	
3 to 5 years inc.	25	
6 to 10 years inc.....	62	
11 years and over	21	112

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	277
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<u>CAPACITY THAT COULD BE CARRIED</u>	500
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	112
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	33	
4 to 6 months inc.	38	
7 to 12 months inc.	30	
13 to 18 months inc.	6	
19 to 24 months inc.	3	
25 to 36 months inc.	0	
37 to 48 months inc.	2	112

Shell Chemical Company	13	Columbia Steel	67
Associated Oil "	4	Grt Wst Chemical	8
General Chemical Company	15	Fibreboard Products	20
Shell Chemical Company	5	Cowell Portland	16
Stockton Firebrick	5	Fulton Shipyards	2
Johns Manville	23		
Redwood Mfg Company	4	<u>TOTAL</u>	182

CONTRA COSTA COUNTY

BRYANT

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		2
Local Street Car or Bus.....	0	
Own Auto	1	
Others Auto	1	
Interurban Bus	0	
Train	0	
Walk or Bicycle	<u>0</u>	2

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	1
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AGE DISTRIBUTION

2 years or less	0	
3 to 5 years inc.	0	
6 to 10 years inc.	1	
11 years and over	<u>0</u>	1

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	2
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<u>CAPACITY THAT COULD BE CARRIED</u>	5
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	1
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	0	
4 to 6 months inc.	0	
7 to 12 months inc.....	1	
13 to 18 months inc.	0	
19 to 24 months inc.	0	
25 to 36 months inc.	0	
37 to 48 months inc.	<u>0</u>	1

CONTRA COSTA COUNTY

BYRON

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		12
Local Street Car or Bus.....	0	
Own Auto	7	
Others Auto	4	
Interurban Bus	1	
Train	0	
Walk or Bicycle	<u>0</u>	12

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	7
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AGE DISTRIBUTION

2 years or less	0	
3 to 5 years inc.	3	
6 to 10 years inc.	2	
11 years and over	<u>2</u>	7

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	32
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<u>CAPACITY THAT COULD BE CARRIED</u>	58
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	7
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less	0	
4 to 6 months inc.	1	
7 to 12 months inc.	4	
13 to 18 months inc.	1	
19 to 24 months inc.	0	
25 to 36 months inc.	0	
37 to 48 months inc.	<u>1</u>	7

Stockton Firebrick	1
Johns Manville	2
Redwood Mfg Co	3
Columbia Steel	2
Grt Wst Chemical	2
Fibreboard	<u>2</u>
<u>TOTAL</u>	12

CONTRA COSTA COUNTY

CANYON

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		2
Local Street Car or Bus.....	0	
Own Auto	2	
Others Auto	0	
Interurban Bus	0	
Train	0	
Walk or Bicycle	<u>0</u>	2

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	2
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AGE DISTRIBUTION

2 years or less	0	
3 to 5 years inc.....	1	
6 to 10 years inc.	0	
11 years and over	<u>1</u>	2

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	1
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<u>CAPACITY THAT COULD BE CARRIED</u>	5
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	2
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less	0	
4 to 6 months inc.	1	
7 to 12 months inc.....	0	
13 to 18 months inc.	0	
19 to 24 months inc.	1	
25 to 36 months inc.	0	
37 to 48 months inc.	<u>0</u>	2

American Radiator	1
Associated Oil	<u>1</u>

<u>TOTAL</u>	2
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CONTRA COSTA COUNTY

CLAYTON

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		33
Local Street Car or Bus	0	
Own Auto	24	
Others Auto	9	
Interurban Bus	0	
Train	0	
Walk or Bicycle.....	0	33

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	24
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AGE DISTRIBUTION.

2 years or less	4	
3 to 5 years inc.	7	
6 to 10 years inc.	9	
11 years and over	4	24

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	60
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<u>CAPACITY THAT COULD BE CARRIED</u>	106
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	24
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	1	
4 to 6 months inc.	8	
7 to 12 months inc.	10	
13 to 18 months inc.....	1	
19 to 24 months inc.	4	
25 to 36 months inc.	0	
37 to 48 months inc.	0	24

Shell Chemical Company	4
Associated Oil "	9
General Chemical "	2
Shell Chemical "	1
Johns Manville Corp	1
Redwood Mfg	1
Columbia Steel	5
Cowell Portland Cement	9
Pioneer Rubber Co	1

<u>TOTAL</u>	33
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CONTRA COSTA COUNTY

CLYDE

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>	55
Local Street Car or Bus.....	1
Own Auto	39
Others Auto	15
Interurban Bus	0
Train	0
Walk or Bicycle	<u>0</u>
	55

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	39
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AGE DISTRIBUTION

2 years or less	4
3 to 5 years inc.	15
6 to 10 years inc.	17
11 years and over	<u>3</u>
	39

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	72
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<u>CAPACITY THAT COULD BE CARRIED</u>	185
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	39
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less	5
4 to 6 months inc.....	7
7 to 12 months inc.	18
13 to 18 months inc.	4
19 to 24 months inc.	5
25 to 36 months inc.	0
37 to 48 months inc.	<u>0</u>
	39

American Radiator	1
Atlas Powder Company	1
C. & H. Sugar Ref.	1
Shell Chemical Co.	2
Associated Oil Co.	19
General Chemical Company	3
Shell Chemical Co	8
Johns Manville Co.	3
Columbia Steel	13
Grt Wst Chemical Co.	2
Cowell Portland Cement	<u>2</u>
<u>TOTAL</u>	55

CONTRA COSTA COUNTY

CONCORD

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		748
Local Street Car or Bus	0	
Own Auto	416	
Others Auto	331	
Interurban Bus	0	
Train	0	
Walk or Bicycle.....	<u>1</u>	748

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	416
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AGE DISTRIBUTION

2 years or less.....	85	
3 to 5 years inc.....	116	
6 to 10 years inc.....	144	
11 years and over.....	<u>71</u>	416

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	826
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<u>CAPACITY THAT COULD BE CARRIED</u>	1808
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	416
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less	45	
4 to 6 months inc.	86	
7 to 12 months inc.	172	
13 to 18 months inc.	78	
19 to 24 months inc.	19	
25 to 36 months inc.	13	
37 to 48 months inc.	<u>3</u>	416

Standard Oil Co	1	Johns Manville	10
Stauffer Chemical Co	1	Redwood Mfg Co	7
Union Oil Company	4	Columbia Steel Co	133
Amer Smelt & Ref.	1	Grt Wst Chemical Co	15
C. & H. Ref.	9	Fibreboard Prod.	2
Shell Oil Co	16	Cowell Portland	24
Shell Chemical Co	92	Pioneer Rubber	6
Associated Oil Co	287	Fulton Shipyard	<u>1</u>
General Chemical Co	30		
Shell Chemical Co	101	<u>TOTAL</u>	748
Stockton Firebrick	8		

CONTRA COSTA COUNTY

COWELL

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>	63
Local Street Car or Bus.....	0
Own Auto	15
Others Auto.....	2
Interurban Bus.....	0
Train.....	0
Walk or Bicycle.....	<u>46</u>
	63

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	15
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AGE DISTRIBUTION

2 years or less	1
3 to 5 years inc.....	3
6 to 10 years inc.	7
11 years and over	<u>4</u>
	15

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	33
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<u>CAPACITY THAT COULD BE CARRIED</u>	59
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	15
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	2
4 to 6 months inc.	5
7 to 12 months inc.	7
13 to 18 months inc.....	0
19 to 24 months inc.....	1
25 to 36 months inc.....	0
37 to 48 months inc.....	<u>0</u>
	15

Shell Chemical	2
Redwood Mfg Co	1
Columbia Steel Co	2
Cowell Portland	<u>58</u>
<u>TOTAL</u>	63

CONTRA COSTA COUNTY

CROCKETT

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		1108
Local Street Car or Bus.....	0	
Own Auto.....	144	
Others Auto.....	96	
Interurban Bus.....	0	
Train.....	1	
Walk or Bicycle.....	<u>867</u>	1108

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	144
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AGE DISTRIBUTION

2 years or less	29	
3 to 5 years inc.....	31	
6 to 10 years inc.	60	
11 years and over	<u>24</u>	144

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	273
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<u>CAPACITY THAT COULD BE CARRIED</u>	543
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	144
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	22	
4 to 6 months inc.....	32	
7 to 12 months inc.....	54	
13 to 18 months inc.....	14	
19 to 24 months inc.....	18	
25 to 36 months inc.....	3	
37 to 48 months inc,.....	<u>1</u>	144

Standard Oil Co	1
Wheeler Reynolds	1
Chemurgic Corp	1
Hercules Powder	1
Union Oil Co	25
Amer Smelt & Ref	120
C. & H. Ref.	953
Martinez Food Cannery	1
Shell Chemical Co	2
Associated Oil	2
Enterprise Foundry	<u>1</u>

<u>TOTAL</u>	1108
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CONTRA COSTA COUNTY

DANVILLE

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		14
Local Street/ Car or Bus.....	0	
Own Auto.....	10	
Others Auto.....	3	
Interurban Bus.....	0	
Train.....	0	14
Walk or Bicycle.....	<u>1</u>	

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	10
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AGE DISTRIBUTION

2 years or less.....	2	
3 to 5 years inc.....	2	
6 to 10 years inc.....	4	
11 years and over.....	<u>2</u>	10

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	25
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<u>CAPACITY THAT COULD BE CARRIED</u>	42
---	----

ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	10
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less	1	
4 to 6 months inc.	5	
7 to 12 months inc.....	2	
13 to 18 months inc.	1	
19 to 24 months inc.	1	
25 to 36 months inc.	0	
37 to 48 months inc.	<u>0</u>	10

Standard Oil Company	1
Pullman Company	1
Union Oil Company	2
Shell Chemical Company	6
Associated Oil Company	3
Fulton Shipyards	<u>1</u>

<u>TOTAL</u>	14
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CONTRA COSTA COUNTY

DIABLO

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>	1
Local Street Car or Bus.....	0
Own Auto.....	1
Others Auto.....	0
Interurban Bus.....	0
Train.....	0
Walk or Bicycle.....	<u>0</u> 1

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	1
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AGE DISTRIBUTION

2 years or less	0
3 to 5 years inc.....	0
6 to 10 years inc.....	1
11 years and over	<u>0</u> 1

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	3
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<u>CAPACITY THAT COULD BE CARRIED</u>	4
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	1
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	0
4 to 6 months inc.	0
7 to 12 months inc.....	1
13 to 18 months inc,	0
19 to 24 months inc.	0
25 to 36 months inc.	0
37 to 48 months inc.	<u>0</u> 1

CONTRA COSTA COUNTY

GIANT

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		27
Local Street Car or Bus.....	0	
Own Auto.....	6	
Others Auto.....	0	
Interurban Bus.....	0	
Train.....	0	
Walk or Bicycle.....	<u>21</u>	27

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	6
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AGE DISTRIBUTION

2 years or less	3	
3 to 5 years inc.....	3	
6 to 10 years inc.....	0	
11 years and over	<u>0</u>	6

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	6
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<u>CAPACITY THAT COULD BE CARRIED</u>	28
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	6
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less	0	
4 to 6 months inc.....	0	
7 to 12 months inc.....	4	
13 to 18 months inc.....	1	
19 to 24 months inc.....	1	
25 to 36 months inc.....	0	
37 to 48 months inc.....	<u>0</u>	6

CONTRA COSTA COUNTY

GLEN FRAZER

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

TOTAL WORKERS..... 15

Local Street Car or Bus.....	0	
Own Auto.....	11	
Others Auto.....	3	
Interurban Bus.....	0	
Train.....	0	
Walk or Bicycle.....	<u>1</u>	15

AUTOS NOW CARRYING WORKERS

NUMBER OF CARS..... 11

AGE DISTRIBUTION

2 years or less	1	
3 to 5 years inc.	2	
6 to 10 years inc.	7	
11 years and over	<u>1</u>	11

WORKERS CARRIED AS REPORTED BY DRIVER..... 13

CAPACITY THAT COULD BE CARRIED..... 48

ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

NUMBER OF CARS..... 11

LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	1	
4 to 6 months inc.....	3	
7 to 12 months inc.....	2	
13 to 18 months inc.....	3	
19 to 24 months inc.....	0	
25 to 36 months inc.....	1	
37 to 48 months inc.....	<u>1</u>	11

C. & H. Ref.	4
Shell Chemical	7
Associated Oil Co	3
Shell Chemical	<u>1</u>

TOTAL 15

CONTRA COSTA COUNTY

HERCULES

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>	100
Local Street Car or Bus.....	0
Own Auto	33
Others Auto	12
Interurban Bus	0
Train	0
Walk or Bicycle	<u>55</u>
	100

AUTOS NOW CARRYING WORKERS

NUMBER OF CARS..... 33

AGE DISTRIBUTION

2 years or less.....	12	
3 to 5 years inc.....	10	
6 to 10 years inc.....	6	
11 years and over.....	<u>5</u>	33

WORKERS CARRIED AS REPORTED BY DRIVER..... 44

CAPACITY THAT COULD BE CARRIED..... 241

ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

NUMBER OF CARS..... 33

LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	2	
4 to 6 months inc.....	7	
7 to 12 months inc.....	11	
13 to 18 months inc.....	4	
19 to 24 months inc.....	4	
25 to 36 months inc.....	3	
37 to 48 months inc.....	<u>2</u>	33

Standard Oil Company	1
Atlas Powder	3
Hercules Powder	91
Amer Smelt & Ref.	2
C. & H. Ref.	<u>3</u>

TOTAL 100

CONTRA COSTA COUNTY

KNIGHTSEN

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>	19
Local Street Car or Bus.....	0
Own Auto.....	12
Others Auto.....	7
Interurban Bus.....	0
Train.....	0
Walk or Bicycle.....	<u>0</u>
	19

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	12
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AGE DISTRIBUTION

2 years or less	0	
3 to 5 years inc.....	5	
6 to 10 years inc.....	5	
11 years and over	<u>2</u>	12

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	25
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<u>CAPACITY THAT COULD BE CARRIED</u>	49
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	12
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less	0	
4 to 6 months inc.	3	
7 to 12 months inc.....	8	
13 to 18 months inc.....	1	
19 to 24 months inc.	0	
25 to 36 months inc.	0	
37 to 48 months inc.	<u>0</u>	12

General Chemical Company	1
Shell Chemical Company	2
Johns Manville	4
Redwood Mfg	2
Columbia Steel	6
Fibreboard Products	3
Pioneer Rubber	<u>1</u>

<u>TOTAL</u>	19
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CONTRA COSTA COUNTY

LAFAYETTE

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		34
Local Street Car or Bus.....	0	
Own Auto.....	20	
Others Auto.....	14	
Interurban Bus.....	0	
Train.....	0	
Walk or Bicycle.....	<u>0</u>	34

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	20
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AGE DISTRIBUTION

2 years or less.....	4	
3 to 5 years inc.....	8	
6 to 10 years inc.....	4	
11 years and over.....	<u>4</u>	20

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	43
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<u>CAPACITY THAT COULD BE CARRIED</u>	86
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	20
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	3	
4 to 6 months inc.....	9	
7 to 12 months inc.....	6	
13 to 18 months inc.....	2	
19 to 24 months inc.....	0	
25 to 36 months inc.....	0	
37 to 48 months inc.....	<u>0</u>	20

Rheem Mfg Co	3	Shell Chemical Co	5
American Radiator	1	Columbia Steel Co	1
Standard Oil Company	9	Grt West Chemical	1
Union Oil Company	1	Calif. Spray Co	<u>1</u>
Sholl Chemical Company	6		
Associated Oil Company	6	<u>TOTAL</u>	34

CONTRA COSTA COUNTY

MARTINEZ

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		1517
Local Street Car or Bus.....	11	
Own Auto.....	555	
Others Auto	412	
Interurban Bus	13	
Train	7	
Walk or Bicycle	<u>519</u>	1517

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	555
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AGE DISTRIBUTION

2 years or less	82	
3 to 5 years inc.....	172	
6 to 10 years inc.	209	
11 years and over	<u>92</u>	555

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	1009
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<u>CAPACITY THAT COULD BE CARRIED</u>	2416
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	555
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	58	
4 to 6 months inc.....	124	
7 to 12 months inc.....	236	
13 to 18 months inc.....	53	
19 to 24 months inc.....	60	
25 to 36 months inc.....	17	
37 to 48 months inc.....	<u>7</u>	555

Rheem Mfg Co	2	Shell Oil Co	811
Standard Oil Co	3	Shell Chemical Co	61
Ford Motor Co	1	Associated Oil Co	402
Amer Radiator Co	3	General Chemical	9
Atlas Powder Co	1	Shell Chemical Co	42
Pioneer Rubber Mills	2	Stockton Fire-brick	4
Hercules Powder Co	6	Johns Manville Corp	3
Union Oil Co	69	Columbia Steel Co	15
Amer Smelt & Ref.	18	Grt Wst Chemical Co	2
C. & H. Ref.	35	Cowell Portland	<u>3</u>
Martinez Food Cannery	22		
Fulton Shipyard	3	<u>TOTAL</u>	1517

CONTRA COSTA COUNTY

MEDANOS

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>	2
Local Street Car or Bus	1
Own Auto	1
Others Auto	0
Interurban Bus	0
Train	0
Walk or Bicycle	<u>0</u> 2

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	1
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AGE DISTRIBUTION

2 years or less	1
3 to 5 years inc.....	0
6 to 10 years inc.	0
11 years and over	<u>0</u> 1

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	1
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<u>CAPACITY THAT COULD BE CARRIED</u>	5
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	1
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	0
4 to 6 months inc.....	0
7 to 12 months inc.....	1
13 to 18 months inc.....	0
19 to 24 months inc.....	0
25 to 36 months inc.....	0
37 to 48 months inc.....	<u>0</u> 1

Standard Oil	1
Columbia Steel	<u>1</u>

<u>TOTAL</u>	2
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CONTRA COSTA COUNTY

MORAGA

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		3
Local Street Car or Bus.....	0	
Own Auto	3	
Others Auto	0	
Interurban Bus.....	0	
Train	0	
Walk or Bicycle	<u>0</u>	3

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	3
-----------------------------	---

AGE DISTRIBUTION

2 years or less	1	
3 to 5 years inc.	1	
6 to 10 years inc.	1	
11 years and over	<u>0</u>	3

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	6
--	---

<u>CAPACITY THAT COULD BE CARRIED</u>	11
---	----

ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	3
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less	1	
4 to 6 months inc.....	0	
7 to 12 months inc.	1	
13 to 18 months inc.	1	
19 to 24 months inc.	0	
25 to 36 months inc.	0	
37 to 48 months inc.	<u>0</u>	3

Rheem Mfg Co	2
Associated Oil	<u>1</u>

<u>TOTAL</u>	3
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CONTRA COSTA COUNTY

NICHOLS

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		66
Local Street Car or Bus	0	
Own Auto	8	
Others Auto	3	
Interurban Bus	0	
Train	0	
Walk or Bicycle	<u>55</u>	66

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	8
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AGE DISTRIBUTION

2 years or less	3	
3 to 5 years inc.....	1	
6 to 10 years inc.....	3	
11 years and over.....	<u>1</u>	8

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	14
--	----

<u>CAPACITY THAT COULD BE CARRIED</u>	37
---	----

ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	8
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	1	
4 to 6 months inc.....	0	
7 to 12 months inc.....	5	
13 to 18 months inc.....	1	
19 to 24 months inc.....	1	
25 to 36 months inc.....	0	
37 to 48 months inc.....	<u>0</u>	8

General Chemical Co	60
Shell Chemical	1
Columbia Steel Co	<u>5</u>
<u>TOTAL</u>	66

CONTRA COSTA COUNTY

OAKLEY

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		173
Local Street Car or Bus.....	0	
Own Auto	121	
Others Auto	50	
Interurban Bus	0	
Train	0	
Walk or Bicycle	<u>2</u>	173

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	121
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AGE DISTRIBUTION

2 years or less	13	
3 to 5 years inc.	45	
6 to 10 years inc.....	46	
11 years and over	<u>17</u>	121

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	237
--	-----

<u>CAPACITY THAT COULD BE CARRIED</u>	520
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	121
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	11	
4 to 6 months inc.....	32	
7 to 12 months inc.....	45	
13 to 18 months inc.	19	
19 to 24 months inc.....	12	
25 to 36 months inc.	2	
37 to 48 months inc.	<u>0</u>	121

Standard Oil Company	1	Redwood Mfg	11
Shell Chemical Company	3	Columbia Steel	92
Associated Oil Company	1	Grt Wst Chemical	4
General Chemical Company	2	Fibreboard Products	31
Shell Chemical Company	5	Pioneer Rubber	2
Stockton Firebrick	5	Fulton Shipyards	<u>8</u>
F. E. Booth Co	2		
Johns Manville	6	<u>TOTAL</u>	173

CONTRA COSTA COUNTY

OLEUM

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		21
Local Street Car or Bus.....	0	
Own Auto.....	4	
Others Auto.....	1	
Interurban Bus.....	0	
Train.....	0	
Walk or Bicycle.....	<u>16</u>	21

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	4
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AGE DISTRIBUTION

2 years or less	1	
3 to 5 years inc.....	1	
6 to 10 years inc.	1	
11 years and over	<u>1</u>	4

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	4
--	---

<u>CAPACITY THAT COULD BE CARRIED</u>	14
---	----

ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	4
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	0	
4 to 6 months inc.....	0	
7 to 12 months inc.....	4	
13 to 18 months inc.....	0	
19 to 24 months inc.....	0	
25 to 36 months inc.....	<u>0</u>	4

Standard Oil	1
Union Oil	18
Associated Oil	1
Columbia Steel	<u>1</u>

<u>TOTAL</u>	21
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ON PREMISES

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		3
Local Street Car or Bus.....	0	
Own Auto	2	
Others Auto	0	
Interurban Bus	0	
Train	0	
Walk or Bicycle	<u>1</u>	3

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	2
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AGE DISTRIBUTION

2 years or less	1	
3 to 5 years inc.	1	
6 to 10 years inc.....	0	
11 years and over.....	<u>0</u>	2

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	2
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<u>CAPACITY THAT COULD BE CARRIED</u>	5
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	2
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	0	
4 to 6 months inc.	0	
7 to 12 months inc.....	2	
13 to 18 months inc.....	0	
19 to 24 months inc.....	0	
25 to 36 months inc.....	0	
37 to 48 months inc.	<u>0</u>	2

Standard Oil Company	2
Cowell Portland Cement	<u>1</u>
<u>TOTAL</u>	3

CONTRA COSTA COUNTY

ORINDA

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>	18
Local Street Car or Bus	15
Own Auto.....	3
Others Auto.....	0
Interurban Bus.....	0
Train.....	0
Walk or Bicycle.....	<u>0</u>
	18

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	15
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AGE DISTRIBUTION

2 years or less	5
3 to 5 years inc.	5
6 to 10 years inc.	5
11 years and over	<u>0</u>
	15

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	30
--	----

<u>CAPACITY THAT COULD BE CARRIED</u>	64
---	----

ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	15
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	0
4 to 6 months inc.....	5
7 to 12 months inc.....	7
13 to 18 months inc.....	1
19 to 24 months inc.....	2
25 to 36 months inc.....	0
37 to 48 months inc.....	<u>0</u>
	15

Certain-teed Products	1
Rheem Mfg Co	3
Standard Oil Co	7
Chemurgic Corp	1
American Radiator	1
Union Oil Co	2
Amer Smelt & Ref	1
C. & H. Ref	1
Calif Spray Co	<u>1</u>
<u>TOTAL</u>	<u>18</u>

CONTRA COSTA COUNTY

PACHECO

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>	65
Local Street Car or Bus.....	0
Own Auto.....	43
Others Auto.....	22
Interurban Bus.....	0
Train.....	0
Walk or Bicycle.....	<u>0</u>
	65

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	43
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AGE DISTRIBUTION

2 years or less.....	14
3 to 5 years inc.....	10
6 to 10 years inc.....	11
11 years and over.....	<u>8</u>
	43

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	63
--	----

<u>CAPACITY THAT COULD BE CARRIED</u>	194
---	-----

ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	43
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	5
4 to 6 months inc.....	18
7 to 12 months inc.....	10
13 to 18 months inc.....	3
19 to 24 months inc.....	4
25 to 36 months inc.....	1
37 to 48 months inc.....	<u>2</u>
	43

Certain-teed Products	1
Hercules Powder Co	1
Union Oil Company	2
Amer & Smelt Ref	1
C. & H. Ref.	1
Shell Oil Company	2
Shell Chemical Company	19
Associated Oil Company	23
Shell Chemical Company	7
Columbia Steel Company	7
Cowell Portland Cement	<u>1</u>

<u>TOTAL</u>	65
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CONTRA COSTA COUNTY

PINOLE

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		209
Local Street Car or Bus.....	0	
Own Auto.....	104	
Others Auto.....	91	
Interurban Bus.....	1	
Train.....	0	
Walk or Bicycle.....	<u>13</u>	209

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	104
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AGE DISTRIBUTION

2 years or less	18	
3 to 5 years inc.....	26	
6 to 10 years inc.	40	
11 years and over	<u>20</u>	104

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	190
--	-----

<u>CAPACITY THAT COULD BE CARRIED</u>	439
---	-----

ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	104
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	14	
4 to 6 months inc.....	33	
7 to 12 months inc.....	36	
13 to 18 months inc.....	7	
19 to 24 months inc.....	7	
25 to 36 months inc.....	5	
37 to 48 months inc.....	<u>2</u>	104

Rheem Mfg Co	2	Union Oil	57
Amer Radiator	1	Amer Smelt & Ref	27
Calif Steel Co	1	C. & H. Ref.	16
Standard Oil Co	12	Shell Chemical Co	1
Pullman Company	1	Associated Oil Co	<u>5</u>
Amer Radiator	4		
Atlas Powder	3	<u>TOTAL</u>	209
Hercules Powder	79		

CONTRA COSTA COUNTY

PITTSBURG

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		2717
Local Street Car or Bus	68	
Own Auto	1375	
Others Auto	517	
Interurban Bus	26	
Train	0	
Walk or Bicycle	<u>731</u>	2717

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	1375
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AGE DISTRIBUTION

2 years or less	294	
3 to 5 years inc.	392	
6 to 10 years inc.....	500	
11 years and over.....	<u>189</u>	1375

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	2099
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<u>CAPACITY THAT COULD BE CARRIED</u>	6094
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	1375
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less	140	
4 to 6 months inc.	349	
7 to 12 months inc.	560	
13 to 18 months inc.	160	
19 to 24 months inc.	120	
25 to 36 months inc.	40	
37 to 48 months inc.	<u>6</u>	1375

Rheem Mfg Co	2	Redwood Mfg Co	184
Amer Radiator	1	Columbia Steel Co	1765
Shell Oil Co	2	Grt West Chemical	164
Shell Chemical Co	7	Fibreboard Products	19
Associated Oil Co	15	Cowell Portland	7
General Chemical Co	46	Pioneer Rubber	171
Shell Chemical Co	114	Fulton Shipyard	<u>4</u>
Stockton Firebrick Co	73		
F. E. Booth Co	46	<u>TOTAL</u>	2717
Johns Manville	97		

CONTRA COSTA COUNTY

PLEASANT HILL

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>	11
Local Street Car or Bus	0
Own Auto	11
Others Auto	0
Interurban Bus	0
Train	0
Walk or Bicycle	<u>0</u>
	11

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	11
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AGE DISTRIBUTION

2 years or less	0
3 to 5 years inc.	1
6 to 10 years inc.	8
11 years and over	<u>2</u>
	11

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	12
--	----

<u>CAPACITY THAT COULD BE CARRIED</u>	48
---	----

ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	11
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	3
4 to 6 months inc.....	3
7 to 12 months inc.....	3
13 to 18 months inc.....	1
19 to 24 months inc.....	1
25 to 36 months inc.....	0
37 to 48 months inc.....	<u>0</u>
	11

Standard Oil Company	1
C. & H. Ref.	1
Shell Chemical Co	8
Cowell Portland Cement	<u>1</u>
<u>TOTAL</u>	11

CONTRA COSTA COUNTY

PORT CHICAGO

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		193
Local Street Car or Bus	0	
Own Auto	110	
Others Auto	82	
Interurban Bus	0	
Train	0	
Walk or Bicycle	<u>1</u>	193

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	110
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AGE DISTRIBUTION

2 years or less	10	
3 to 5 years inc.	39	
6 to 10 years inc.	42	
11 years and over	<u>19</u>	110

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	203
--	-----

<u>CAPACITY THAT COULD BE CARRIED</u>	478
---	-----

ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	110
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less	13	
4 to 6 months inc.	31	
7 to 12 months inc.	41	
13 to 18 months inc.	10	
19 to 24 months inc.	14	
25 to 36 months inc.	1	
37 to 48 months inc.	<u>0</u>	110

Union Oil	1	Redwood Mfg Co	4
Shell Chemical Co	26	Columbia Steel	24
Associated Oil Co	58	Grt West Chemical Co	2
General Chemical Co	43	Fibreboard Products	1
Shell Chemical Co	29	Cowell Portland	3
Johns Manville Corp	1	Pioneer Rubber	<u>1</u>

<u>TOTAL</u>	193
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CONTRA COSTA COUNTY

PORT COSTA

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		44
Local Street Car or Bus.....	0	
Own Auto.....	23	
Others Auto.....	19	
Interurban Bus.....	0	
Train.....	0	
Walk or Bicycle.....	<u>2</u>	44

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	23
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AGE DISTRIBUTION

2 years or less	5	
3 to 5 years inc.....	5	
6 to 10 years inc.....	7	
11 years and over	<u>6</u>	23

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	45
--	----

<u>CAPACITY THAT COULD BE CARRIED</u>	103
---	-----

ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	23
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	6	
4 to 6 months inc.....	6	
7 to 12 months inc.....	9	
13 to 18 months inc.....	2	
19 to 24 months inc.....	0	
25 to 36 months inc.....	0	
37 to 48 months inc.....	<u>0</u>	23

Hercules Powder Co	1	
Union Oil Co	4	
Amer Smelt & Ref	6	
C. & H. Ref	28	
Shell Chemical Company	2	
Associated Oil Company	<u>3</u>	
<u>TOTAL</u>	44	

CONTRA COSTA COUNTY

RICHMOND & EL CERRITO

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		4868
Local Street Car or Bus.....	194	
Own Auto.....	2430	
Others Auto.....	1592	
Interurban Bus.....	20	
Train.....	5	
Walk or Bicycle.....	<u>627</u>	4868

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	2430
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AGE DISTRIBUTION

2 years or less.....	428	
3 to 5 years inc.....	730	
6 to 10 years inc.....	845	
11 years and over.....	<u>427</u>	2430

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	4036
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<u>CAPACITY THAT COULD BE CARRIED</u>	10532
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	2430
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less	253	
4 to 6 months inc.....	569	
7 to 12 months inc.	955	
13 to 18 months inc.	262	
19 to 24 months inc.	280	
25 to 36 months inc.	81	
37 to 48 months inc.	<u>30</u>	2430

Certain-teeed	161	Wheeler Reynolds	25
Rheem Mfg Company	79	Chemurgic Corp	47
Amer Radiator	307	Amer Radiator Co	204
Enterprise Foundry	81	Atlas Powder Company	140
Calif Steel Prod	20	Hercules Powder Co	86
Standard Oil Co	1913	Union Oil Company	211
Filice & Perrilli	47	Amer Smelt & Ref	144
Ford Motor Co	220	C. & H. Ref.	104
Pullman Company	270	Martinez Food Cannery	1
Stauffer Chemical Co	44	Shell Oil Co	2
Shell Chemical Co	3	Shell Chemical Co	11
Columbia Steel Co	2	Associated Oil Co	5
Cowell Portland Cement	3	General Chemical Co	1

RICHMOND & EL CERRITO

PAGE 2

Pioneer Rubber Mills	3
Calif Spray Co	109
Phil Ref. Corp.	17
Santa Fe Co	365
Calif Cap Co	178
Southern Pacific Co	<u>65</u>
<u>TOTAL</u>	4868

CONTRA COSTA COUNTY

RODEO

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		461
Local Street Car or Bus	0	
Own Auto.....	176	
Others Auto	186	
Interurban Bus	1	
Train	4	
Walk or Bicycle	<u>94</u>	461

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	176
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AGE DISTRIBUTION

2 years or less	36	
3 to 5 years inc.	43	
6 to 10 years inc.....	69	
11 years and over.....	<u>28</u>	176

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	345
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<u>CAPACITY THAT COULD BE CARRIED</u>	804
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	176
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	19	
4 to 6 months inc.....	47	
7 to 12 months inc.....	75	
13 to 18 months inc.....	18	
19 to 24 months inc.....	15	
25 to 36 months inc.....	2	
37 to 48 months inc.....	<u>0</u>	176

Standard Oil Co	2	C. & H. Ref.	117
Ford Motor Co	1	Shell Oil Co	1
Stauffer Chemical Co	1	Shell Chemical Co	6
Chemurgic Corp	1	General Chemical Co	1
Amer Radiator Co	1	Santa Fe	1
Hercules Powder	11	Calif Cap Co	<u>3</u>
Union Oil Co	205		
Amer Smelt & Ref.	110	<u>TOTAL</u>	461

CONTRA COSTA COUNTY

SAN PABLO

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		13
Local Street Car or Bus	5	
Own Auto	5	
Others Auto	0	
Interurban Bus	0	
Train	0	
Walk or Bicycle	<u>3</u>	13

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	5
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AGE DISTRIBUTION

2 years or less.....	1	
3 to 5 years inc.....	0	
6 to 10 years inc.....	1	
11 years and over.....	<u>3</u>	5

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	13
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<u>CAPACITY THAT COULD BE CARRIED</u>	25
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	5
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	1	
4 to 6 months inc.....	0	
7 to 12 months inc.....	1	
13 to 18 months inc.....	1	
19 to 24 months inc.....	2	
25 to 36 months inc.....	0	
37 to 48 months inc.....	<u>0</u>	5

Standard Oil Co	3
Amer Radiator	5
Union Oil Co	3
Shell Chemical Co	1
Grt Wst Chemical Co	<u>1</u>

<u>TOTAL</u>	13
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CONTRA COSTA COUNTY

SAN RAMON

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>	9
Local Street Car or Bus	0
Own Auto	4
Others Auto	5
Interurban Bus	0
Train	0
Walk or Bicycle	<u>0</u>
	9

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	4
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AGE DISTRIBUTION

2 years or less.....	0
3 to 5 years inc.....	2
6 to 10 years inc.....	2
11 years and over.....	<u>0</u>
	4

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	12
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<u>CAPACITY THAT COULD BE CARRIED</u>	18
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	4
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	2
4 to 6 months inc.....	0
7 to 12 months inc.....	2
13 to 18 months inc.....	0
19 to 24 months inc.....	0
25 to 36 months inc.....	0
37 to 48 months inc.....	<u>0</u>
	4

Rheem Mfg Co	1
Amer Smelt & Ref	5
Shell Chemical	<u>3</u>
<u>TOTAL</u>	9

CONTRA COSTA COUNTY

SARANAP

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		9
Local Street Car or Bus.....	0	
Own Auto.....	5	
Others Auto.....	4	
Interurban Bus.....	0	
Train.....	0	
Walk or Bicycle.....	<u>0</u>	9

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	5
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AGE DISTRIBUTION

2 years or less.....	0	
3 to 5 years inc.....	2	
6 to 10 years inc.....	3	
11 years and over.....	<u>0</u>	5

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	9
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<u>CAPACITY THAT COULD BE CARRIED</u>	24
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	5
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	0	
4 to 6 months inc.....	0	
7 to 12 months inc.....	5	
13 to 18 months inc.....	0	
19 to 24 months inc.....	0	
25 to 36 months inc.....	0	
37 to 48 months inc.....	<u>0</u>	5

Standard Oil Company	1
Shell Chemical Company	2
Associated Oil Company	<u>6</u>

<u>TOTAL</u>	9
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CONTRA COSTA COUNTY

SELBY

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		4
Local Street Car or Bus.....	0	
Own Auto	1	
Others Auto	1	
Interurban Bus	0	
Train	0	
Walk or Bicycle	<u>2</u>	4

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	1
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AGE DISTRIBUTION

2 years or less	0	
3 to 5 years inc.	0	
6 to 10 years inc.	1	
11 years and over	<u>0</u>	1

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	1
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<u>CAPACITY THAT COULD BE CARRIED</u>	5
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	1
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	0	
4 to 6 months inc.....	0	
7 to 12 months inc.....	1	
13 to 18 months inc.....	0	
19 to 24 months inc.....	0	
25 to 36 months inc.....	0	
37 to 48 months inc.....	<u>0</u>	1

Amer Smelt & Ref	1
C. & H. Ref.	<u>3</u>
<u>TOTAL</u>	4

CONTRA COSTA COUNTY

TASSAJARA

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		1
Local Street Car or Bus.....	0	
Own Auto.....	1	
Others Auto.....	0	
Interurban Bus.....	0	
Train.....	0	
Walk or Bicycle.....	<u>0</u>	1

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	1
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AGE DISTRIBUTION

2 years or less.....	0	
3 to 5 years inc.....	0	
6 to 10 years inc.....	1	
11 years and over.....	<u>0</u>	1

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	3
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<u>CAPACITY THAT COULD BE CARRIED</u>	3
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	1
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	0	
4 to 6 months inc.....	0	
7 to 12 months inc.....	0	
13 to 18 months inc.....	1	
19 to 24 months inc.....	0	
25 to 36 months inc.....	0	
37 to 48 months inc.....	<u>0</u>	1

Columbia Steel	1
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CONTRA COSTA COUNTY

TORMEY

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		102
Local Street Car or Bus.....	0	
Own Auto.....	17	
Others Auto.....	8	
Interurban Bus.....	0	
Train.....	0	
Walk or Bicycle.....	<u>77</u>	102

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	17
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AGE DISTRIBUTION

2 years or less	5	
3 to 5 years inc.	5	
6 to 10 years inc.....	4	
11 years and over	<u>3</u>	17

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	21
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<u>CAPACITY THAT COULD BE CARRIED</u>	69
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	17
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	3	
4 to 6 months inc.....	2	
7 to 12 months inc.....	7	
13 to 18 months inc.....	5	
19 to 24 months inc.....	0	
25 to 36 months inc.....	0	
37 to 48 months inc.....	<u>0</u>	17

Amer Radiator	1
Standard Oil	1
Hercules Powder	1
Union Oil	5
Amer Smelt & Ref	76
C. & H. Ref.	15
Associated Oil	<u>3</u>
<u>TOTAL</u>	102

CONTRA COSTA COUNTY

VILLE VISTA

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>		2
Local Street Car or Bus.....	0	
Own Auto.....	1	
Others Auto.....	1	
Interurban Bus.....	0	
Train.....	<u>0</u>	2

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	1
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AGE DISTRIBUTION

2 years or less	0	
3 to 5 years inc.	1	
6 to 10 years inc.	0	
11 years and over	<u>0</u>	1

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	2
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<u>CAPACITY THAT COULD BE CARRIED</u>	3
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	1
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less	0	
4 to 6 months inc.	0	
7 to 12 months inc.	1	
13 to 18 months inc.	0	
19 to 24 months inc.	0	
25 to 36 months inc.	0	
37 to 48 months inc.	<u>0</u>	1

Columbia Steel	1
General Chemical	<u>1</u>

<u>TOTAL</u>	2
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CONTRA COSTA COUNTY

WALNUT CREEK

PRINCIPAL MODE OF TRAVEL TO AND FROM WORK

<u>TOTAL WORKERS</u>	159
Local Street Car or Bus	0
Own Auto	94
Others Auto	65
Interurban Bus	0
Train	0
Walk or Bicycle	<u>0</u>
	159

AUTOS NOW CARRYING WORKERS

<u>NUMBER OF CARS</u>	94
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AGE DISTRIBUTION

2 years or less	19
3 to 5 years inc.	28
6 to 10 years inc.....	33
11 years and over	<u>14</u>
	94

<u>WORKERS CARRIED AS REPORTED BY DRIVER</u>	196
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<u>CAPACITY THAT COULD BE CARRIED</u>	410
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ESTIMATED EFFECT OF RUBBER SHORTAGE ON AUTOS AND WORKERS

<u>NUMBER OF CARS</u>	94
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LIFE OF CAR BASED ON TIRE CONDITION

3 mos or less.....	19
4 to 6 months inc.	20
7 to 12 months inc.....	39
13 to 18 months inc.	7
19 to 24 months inc.	7
25 to 36 months inc.	2
37 to 48 months inc.	<u>0</u>
	94

Standard Oil	5	General Chemical Company	1
Ford Motor	2	Shell Chemical Company	12
Pullman Company	1	Stockton Firebrick Co	2
Stauffer Chemical	3	Redwood Mfg	1
Hercules Powder	2	Columbia Steel Company	20
Union Oil	11	Grt Wst Chemical Company	5
American Smelt & Ref.	2	Cowell Portland Cement	15
C. & H. Ref.	2	Pioneer Rubber Mills	1
Shell Oil Company	4	Calif Spray Company	<u>1</u>
Shell Chemical Company	38		
Associated Oil	31	<u>TOTAL</u>	159



